Code No: 117BY

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, November/December - 2016 COMPUTER NETWORKS

			(Comm	on to ECE, BM	1E)		
Time	e: 3 Hours					Max. Marks: 75	
Note	Part A i	s compulsor consists of	5 Units. Ar	ies 25 marks. Iswer any one	Answer all que full question as sub questions.	stions in Part A. from each unit.	
				PART- A			
1.a) b) c)	Explain th What is th	e difference b	terfaces. lics of twisted between router	pair cable. and gateway?		(25 Mark ; [2] [3] [2]	(s)
d) e) f) g) h)	Mention the Difference Explain ab Explain the	ne design issu between con out CIDR.	Transport lay	layer d connection or	iented networks.	[3] [2] [3] [2] [3]	
j)	Write the a	pplication lay	yer paradigms.			[2] [3]	
5 A W F F F F F F F F F F F F F F F F F F	*** *** ***			PART-B	HE	(50 Marks)
b)	Explain the Explain the repeat.	functions of term slidin	various layers g window. A	in ISO-OSI refelso illustrate an	erence model. Id explain the op	peration of selective	e
b)	What are th	e different t	transmission n ypes of error or r polynomial x	nedia.	ds? Explain the a 11100011.	CRC error detection [5+5]	1
b) 1	Ëxplain the	working of C		OR		[5+5]	V V V V V V V V V V V V V V V V V V V
				re for IEEE 802 ALOHA and slo		[5+5]	
6.a) I	Explain the Dive the gen	 Dijkstra's Sho eral principle	ortest Path Rouses of various co	uting Algorithm ongestion contro	with an example ol algorithm.	[5+5]	
			ol? How it is good congestion?		Network Layer?	What is the role of	
**************************************	ione packe	. m managmy : :	5 congestion?	···		[10]	4 X 0

1011 1111 1111 1111 1111 1111 1111 111	8.a) Expla	ain the error contain about Revers	rol mechanism e Address Resol	in transport layer. lution Protocol. OR	Fü	[5+5]	189
	Expla	are connection on the connection of the connecti	lease managed at the transport layer? [5+5]				
	10.a) Comp b) Expla	[5+5]					
	11.a) What b) Expla	is Electronic ma in the TCP servi	il? Explain the t	OR wo scenarios of a	architecture of E-N	Mail. [5+5]	
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